

Title (en)  
INTERNAL COMBUSTION ENGINE WITH COMPRESSED AIR IGNITION EQUIPPED WITH ROTATING DISTRIBUTORS

Title (de)  
BRENNKRAFTMASCHINE MIT DRUCKLUFTZÜNDUNG UND DREHSCHIEBER

Title (fr)  
MOTEUR A COMBUSTION INTERNE AVEC ALLUMAGE PAR AIR COMPRIME EQUIPE DE DISTRIBUTEURS ROTATIFS

Publication  
**EP 0886723 A1 19981230 (FR)**

Application  
**EP 97900087 A 19970117**

Priority  
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Abstract (en)  
[origin: WO9831924A1] The invention concerns an engine comprising a cylinder head (1) in which a precombustion chamber (4) is superposed on a main combustion chamber (5). The precombustion chamber is equipped with two supplementary valves, an admission valve (8) and an exhaust valve, respectively integral with the main valves (6). They are mounted on rocker arms (12 and 12') and in contact with a camshaft (13). The chambers (4, 5) are in cyclic communication with rotating distributors (15, 16) by means of conduits (23, 24, 29). The rotating distributors (15, 16) ensure the intake of burning air and the exhaust of burnt gases. The compressed explosive mixture is conveyed from the carburettor with compression effect by conduits (34, 35) and through an annular section (36), towards the precombustion chamber (4). The explosive mixture is then ignited by the burning air from a section (27), inside the upper distributor (15). The distributors (15, 16) are connected by the belt to the camshaft (13) and to a preignition device (37).

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